

EDITED KSA LISTING

CLASS: PLUMBER III (CORRECTIONAL FACILITY)

NOTE: Each position within this classification may be required to possess all or some of these knowledge, skills or abilities.

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	Knowledge of:
K1.	Journey level knowledge of plumbing principles, methods, materials, tools, and equipment used in the installation, maintenance, and repair of the physical plant (e.g., underground utilities, valves, fixtures, backflow assemblies, pumps, etc.) in order to accomplish a work assignment, and to provide direction/information, etc.
K2.	General knowledge of the rules and regulations (e.g. Uniform Plumbing Codes [UPC], Safety Orders of the Division of Industrial Safety applicable to plumbing, California Code of Regulations [CCR], etc.) in order to safely and effectively complete work assignments, and to provide direction/information, etc.
K3.	General knowledge of departmental rules and regulations (e.g., CCR, State Administrative Manual, etc.) governing the procurement process for the procuring of plumbing materials, tools, and equipment in order to maintain the facility.
K4.	General knowledge of institutional policies and procedures for inmate supervision to maintain safety and security of the institution, staff, property, etc.
K5.	General math knowledge to calculate labor, material, and/or cost estimates for planned projects.

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	Skills to:
S1.	Skill in the care and use of hand and power tools to ensure safe operation for the plumber and proper operation of the tools during the performance of daily assignments.
S2.	Skills to perform rough through finish plumbing (e.g., underground utilities, valves, fixtures, backflow assemblies, pumps, etc.) in order to accomplish a work assignment.
S3.	Skill to effectively receive and follow instructions and communicate with individuals or groups to provide accurate information, instruction, direction, and maintain an effective working relationship.
S4.	Skill to accurately read, interpret and prepare rough sketches, plans (blueprints), drawings, and specifications to obtain/provide information for plumbing work.
S5.	Skill to accurately maintain records and reports in order to provide information and documentation and to comply with departmental policies.
S6.	Skill to estimate costs to determine and calculate necessary labor and materials, in order to provide information, plan and complete plumbing work, and other various institutional needs for the purpose of completing work assignments.
S7.	Skill to inspect the work of a crew of plumbers and/or unskilled workers (inmates) to ensure proper completion of work and compliance with codes and regulations.
S8.	Skill to plan, lay out, and coordinate plumbing work with departmental trades people, custody staff, and other institutional program staff, contractors and vendors to provide direction, information, and ensure accuracy and compliance of work assignments.
S9.	Skill to troubleshoot unsafe or defective plumbing conditions (e.g., underground utilities, valves, fixtures, backflow assemblies, pumps, etc.) to ensure the safe and proper operation of the facility and adhere to plumbing codes.

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	Ability to:
A1.	Ability to be mechanically inclined to perform plumbing work.

	Special Personal Characteristics:
SPC1.	Must be reasonably expected to have and maintain sufficient strength, agility, and endurance to perform during stressful (physical, mental, and emotional) situations encountered on the job without compromising their health and well-being or that of their fellow employees or that of inmates.